



GEOLOGIC SERVICES CORPORATION

Hydrogeologists and Environmental Scientists

Airborne Express #5220165230

June 23, 2000

Jul 3 10 55 AM '00

Mr. Chuck Schwer
Vermont Agency of Natural Resources
Department of Environmental Conservation
Site Management Section
103 South Main Street/West Office
Waterbury, VT 05671-0404

Re: **Site Excavation and
Preliminary Assessment Report**
Ryder Transportation Services
Facility Location Code #1178
520 Shunpike Road
Williston, Vermont
DEC SMS Site #99-2717

Dear Mr. Schwer:

Geologic Services Corporation (GSC), on behalf of Ryder Transportation Services (Ryder), has prepared the enclosed Site Excavation and Preliminary Assessment Report detailing the activities completed at the above-referenced Ryder Facility pursuant to the Site Investigation Expressway Notification Form prepared and submitted to the Department of Environmental Conservation in February, 2000. The Ryder representative overseeing the activities associated with this submittal is Ms. Carrie Anne Buck; correspondence regarding this work should be directed to her attention at the following address:

Ryder Environmental Services
160 Lawrenceville-Pennington Road
Suite 16, PMB 119
Lawrenceville, New Jersey 08648

As noted in the enclosed report, petroleum-impacted soil at this site does not appear to be adversely affecting groundwater conditions, and as impacted soil at this site is anticipated to continue to biodegrade and attenuate over time through naturally-occurring processes, no further actions are viewed to be warranted with respect to Case #99-2717.

Please do not hesitate to contact either of the undersigned at (978) 568-8740 if you require any additional information.

Sincerely,
Geologic Services Corporation

Brian D. Moore
Project Manager

Donald L. Pomeroy
Operations Manager

Cc: Carrie Anne Buck, Ryder Transportation, Lawrenceville, NJ

Ref #990208.05

15 Bonazzoli Ave. • Hudson, MA 01749 • (978) 568-8740 • (978) 568-9316

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JUL 03 2000

Phase (check one)	Type (check one)
<input checked="" type="checkbox"/> Initial Site Investigation	<input type="checkbox"/> Work Scope
<input type="checkbox"/> Corrective Action Feasibility Investigation	<input checked="" type="checkbox"/> Technical Report
<input type="checkbox"/> Corrective Action Plan	<input type="checkbox"/> PCF Reimbursement Request
<input type="checkbox"/> Corrective Action Summary Report	<input checked="" type="checkbox"/> General Correspondence
<input type="checkbox"/> Operations & Monitoring Report	

**SITE EXCAVATION
AND
PRELIMINARY ASSESSMENT REPORT**

**RYDER TRANSPORTATION SERVICES FACILITY
LOCATION CODE #1178
520 SHUNPIKE ROAD
WILLISTON, VERMONT 05403
SMS Case #99-2717**

Prepared For:

Ryder Transportation Services
140 Lawrenceville-Pennington Road
Suite 16, PMB 119
Lawrenceville, New Jersey 08648
(609) 631 - 8584
Contact: Carrie Anne Buck

Prepared By:

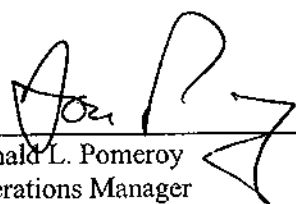
Geologic Services Corporation
15 Bonazzoli Avenue
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Contact: Brian D. Moore

June, 2000


GSC File: 990208

QUALITY ASSURANCE/QUALITY CONTROL


The following personnel have reviewed this report for accuracy, content, and quality of presentation.


Donald L. Pomeroy
Operations Manager

6/23/00
Date


Brian D. Moore
Project Manager

6/23/00
Date


Nathan A. Stevens
Environmental Scientist

6/23/00
Date

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1.0 INTRODUCTION

Geologic Services Corporation (GSC) was retained by Ryder Transportation Services (Ryder) to document the closure and/or replacement of two fuel dispensers, four satellite dispensers, and the associated underground satellite dispenser piping at the Ryder Facility (Location Code #1178) situated at 520 Shunpike Road in Williston, Vermont. As part of these activities, GSC performed field headspace screening and collected in-situ soil samples from the piping and dispenser excavation areas in order to assess potential petroleum impact at the subject property associated with the removed piping and equipment. After receipt of the Underground Storage Tank (UST) Permanent Closure Form, the Vermont Site Management Section (SMS) issued Case #99-2717 to this site.

1.1 Objective

The objective of this report is to document environmental conditions in the vicinity of the removed piping and dispensers in accordance with the Vermont Agency of Natural Resources (VT ANR) Department of Environmental Conservation (DEC) Guidelines and Policies.

2.0 SITE REPRESENTATION

The following subsections provide a brief description of the subject site and surrounding area.

2.1 Property Description

The subject property is a commercial vehicle leasing facility comprising approximately 2.5 acres of land situated at 520 Shunpike Road (formerly identified as 114 Shunpike Road) in a commercial/industrial area of Williston, Vermont. The subject property is bound to the south by Shunpike Road, to the west by P & P Septic Service (a commercial property), to the east by Engineers Drive, and to the north by a construction company. The majority of the subject property is covered by asphalt or reinforced concrete.

The on-site facility building is constructed on a poured concrete slab foundation, and currently houses offices and three service bays. One 10,000-gallon and two 12,000-gallon diesel fuel underground storage tanks (USTs) are presently located approximately 200 feet southeast of the facility building. The 10,000-gallon UST was converted from gasoline to diesel fuel storage as part of this project. The former gasoline dispenser and two associated satellite dispensers were removed during the course of these

activities, while the diesel satellite dispensers were replaced during these activities. No monitoring wells were found to exist on the subject property. The facility is presently connected to the municipal water supply and serviced by an on-site sanitary septic system. Please refer to Figures 1 and 2 (Appendix A) for a depiction of the subject property and surrounding area.

2.2 Potential Receptors

Potential receptors in the vicinity of the subject site include subsurface utility conduits situated beneath both the subject property and adjacent Shunpike Road. The closest surface water body to the subject site is Muddy Brook situated approximately 600 feet west of the subject site. No private water supplies or wellhead protection areas are known to exist within one mile of the subject site. The closest school or institution is the Muddy Brook School located approximately 4200 feet east of the subject site. A review of the VT ANR Geographic Information System (GIS) System Map for the vicinity of the subject site did not indicate the presence of Public Drinking Water Source, Groundwater Source, or Surface Water Source Protection Areas within 1000 feet of the subject property. According to the Town of Williston Department of Public Works, no private or public potable water supply wells are known to be located within 1000 feet of the subject property.

3.0 SUMMARY OF ASSESSMENT ACTIVITIES

On November 30, 1999, the gasoline fuel dispenser, the four satellite dispensers, and the associated subsurface piping were removed from the subject site. Excavation activities were performed by Interface Services/CDM (ISCDM) utilizing a Bobcat Model 510C backhoe. Photographic documentation of these activities is provided as Appendix B.

3.1 Excavation Assessment

On November 30, 1999, GSC was present on-site to collect soil samples from the UST piping and dispenser excavation areas and perform field headspace screening activities in accordance with VT ANR DEC's Guidelines and Policies. The excavation in the area of the dispensers and satellites was approximately 50 feet in length, twelve feet in width, and three to four feet in depth. Excavated material consisted of fine to medium sand with some pea-sized gravel ("peastone").

Based on the results of field screening activities and the visual/olfactory indications of petroleum impact, GSC provided verbal notification to the VT ANR DEC in a telephone conversation held between Brian Moore of GSC and Ted Unkles of the DEC at approximately 10:55 AM on November 30, 1999. Following DEC's approval, GSC directed the excavation and segregation of petroleum-impacted soil in

accordance with the procedures set forth in the DEC Guidelines for Petroleum Contaminated Soil and Debris. GSC subsequently directed the segregation and stockpiling of approximately ten cubic yards of petroleum impacted soil during these activities. The extent of the area excavated during these activities, along with the locations of soil samples collected for laboratory analyses, is depicted on Figure 3 (Appendix A).

3.1.1 Soil Sample Collection and Analysis

On November 30, 1999 a total of 60 in-situ soil samples were collected from the dispenser/piping excavation area and screened in the field for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.2 electron volt lamp calibrated to respond to VOCs in parts per million by volume (ppmv) as benzene. Field headspace screening results ranged from non-detect (ND) to 344 ppmv in a soil sample collected from beneath the former gasoline dispenser at a depth of approximately three feet below grade. As previously noted, VT ANR DEC was verbally notified of these conditions on November 30, 1999. Refer to Table I (Appendix C) for a summary of PID field screening results.

Following the source removal activities previously described, one soil sample was collected from the bottom of each of the four trench excavations, and from beneath each of the former dispensers at depths ranging from two to three feet below grade for laboratory submittal. These six (6) samples were submitted to Southern Petroleum Laboratories (SPL) of Scott, Louisiana for the analysis of benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tert-butyl ether (MTBE) via EPA Method 8021, and total petroleum hydrocarbon (TPH) concentrations via EPA Method 8015. The analytical results of these soil samples are summarized in Table II (Appendix C), while the locations from which they were collected are depicted on Figure 3 (Appendix A). Complete analytical data from these samples are included in Appendix D.

3.1.2 Soil Management

As previously noted, GSC directed the segregation and stockpiling of approximately ten cubic yards of petroleum impacted soil during the activities described above. On January 25, 2000, VT ANR approved the Off-Site Soil Recycling Form that had been submitted to facilitate the off-site transportation and recycling of the stockpiled soil. On February 24, 2000 approximately 13.41 tons of soil (as weighed by the receiving facility) were transported to the Environmental Soil Management (ESMI) facility located in Loudon, New Hampshire for recycling by Engineers Construction (ECI) of South Burlington, Vermont. The VT ANR-approved Soil Recycling Form has been included along with affidavit of recycling in Appendix E.

3.2 Preliminary Site Assessment

As noted in the Expressway Notification correspondence dated February 14, 2000, the soil sample collected from the bottom of the southern dispenser excavation (D-2/BOT) following the excavation activities previously described exhibited concentrations of 2300 milligrams per kilogram (mg/kg) gasoline-range TPH (TPH-GRO) and 20,000 mg/kg diesel-range TPH (TPH-DRO), values that exceed the Closure Guidance Value presented in the DEC Guidelines for Petroleum Contaminated Soil and Debris (refer to Table II – Appendix C).

This correspondence also detailed the preliminary assessment activities that would be implemented at this site to address these conditions, namely the advancement of four soil borings, the field screening of collected soil samples utilizing a PID, and the collection of additional soil and groundwater samples for laboratory analysis. The following subsections describe the activities undertaken in accordance with the scope of work outlined in the Expressway Notification correspondence.

3.2.1 Drilling Activities

On February 24, 2000, GSC personnel supervised the advancement of four soil borings (SB-1 through SB-4) around the dispenser island area at the subject property. Aquifer Drilling and Testing (ADT) of Albany, New York performed the drilling activities utilizing a truck-mounted drill rig equipped with hollow stem augers. Each borehole was advanced to a depth of approximately 15 feet below grade, with the first four (4) feet being manually advanced. Split-spoon soil samples were subsequently collected on a continuous basis in each boring to characterize the materials encountered and collect soil samples for field screening and potential laboratory submittal.

Materials encountered in each boring consisted of sand and gravel fill to depths of four feet below grade underlain by silt with varying amounts (trace to some) of fine sand and clay. No auger or split spoon refusals were encountered during these drilling activities. As groundwater was encountered at a depth of approximately eight to ten feet below grade in the soil borings, temporary monitoring points were installed within the borehole annulus in order to collect groundwater samples. Each temporary wellpoint was purged of three (3) volumes of standing formation groundwater prior to sampling, with the exception of SB-4, which did not yield a sufficient amount of formation groundwater to allow for the collection of a representative groundwater sample. A complete description of materials encountered is included along with PID field headspace screening responses on the boring logs contained in Appendix F.

3.2.2 Sample Collection and Analysis

A total of 30 soil samples collected during the drilling activities were screened in the field using a calibrated PID. None of the samples yielded a PID response above the instrument detection limit of 0.1 ppmv (i.e., non-detect or ND). The soil sample collected from each borehole at a depth immediately above the observed water table (from approximately six to eight feet below grade) was containerized for laboratory analysis. A total of four (4) soil samples collected from these borings were submitted to SPL for the analysis of BTEX and MTBE via EPA Method 8020 and TPH via EPA Method 8015. The analytical results from these four additional soil samples are included in Table II (Appendix C), while complete analytical data are included in Appendix D.

As noted previously, groundwater samples were obtained from temporary monitoring points set in borings SB-1, SB-2, and SB-3. Purge water was discharged to the paved surface areas on the subject site. These samples were collected using dedicated polyethylene bailers, and were submitted to SPL for the analysis of BTEX and MTBE via EPA Method 8020. The analytical results from these three groundwater samples are presented in Table III (Appendix C), while complete analytical data are included in Appendix D.

4.0 CURRENT SITE CONDITIONS

The following sections summarize the results of soil and groundwater samples collected during both the November, 1999 UST subsurface piping closure activities and the subsequent preliminary assessment work completed following submittal of the Expressway Notification form.

4.1 Soil

As noted in Table I, field headspace screening results were utilized to segregate and stockpile approximately ten cubic yards of petroleum-impacted soil from the dispenser area excavation. The soil that remained in-place following the excavation activities, as well as the soil encountered in the four soil borings (refer to Appendix F), did not yield PID responses in excess of 10 ppmv VOCs.

As previously noted, the analytical results of the ten collected soil samples are summarized in Table II along with the VT ANR DEC Groundwater Enforcement Standards (VGES) and the Risk-Based Corrective Action (RBCA) Soil Standards published by the United States Environmental Protection Agency (US EPA – Region III). As noted in Table II, only one of the ten soil samples collected during these activities (the sample collected from six to eight feet below grade in SB-1) exhibited concentrations of targeted analytes in excess of the VGES values (0.130 mg/kg benzene and 0.083 mg/kg MTBE). In addition, two of the ten soil samples collected during these activities (the D-2/BOT soil sample and the

sample collected from six to eight feet below grade in SB-1) exhibited concentrations of TPH-GRO and/or TPH-DRO that exceeded the Closure Guidance Value presented in the DEC Guidelines for Petroleum Contaminated Soil and Debris.

4.2 Groundwater

As previously noted, the analytical results of the groundwater samples collected from borings SB-1, SB-2, and SB-3 are summarized in Table III along with the applicable VT ANR DEC Primary Groundwater Quality Standards and Preventive Action Levels presented in the ANR DEC Groundwater Protection Rule and Strategy. As noted in Table III, none of targeted petroleum analytes were detected in the three collected groundwater samples.

5.0 SUMMARY AND CONCLUSIONS

The following is a summary of the activities recently completed at the Ryder Transportation Services Facility situated at 520 Shunpike Road in Williston, Vermont, and the conclusions based thereon:

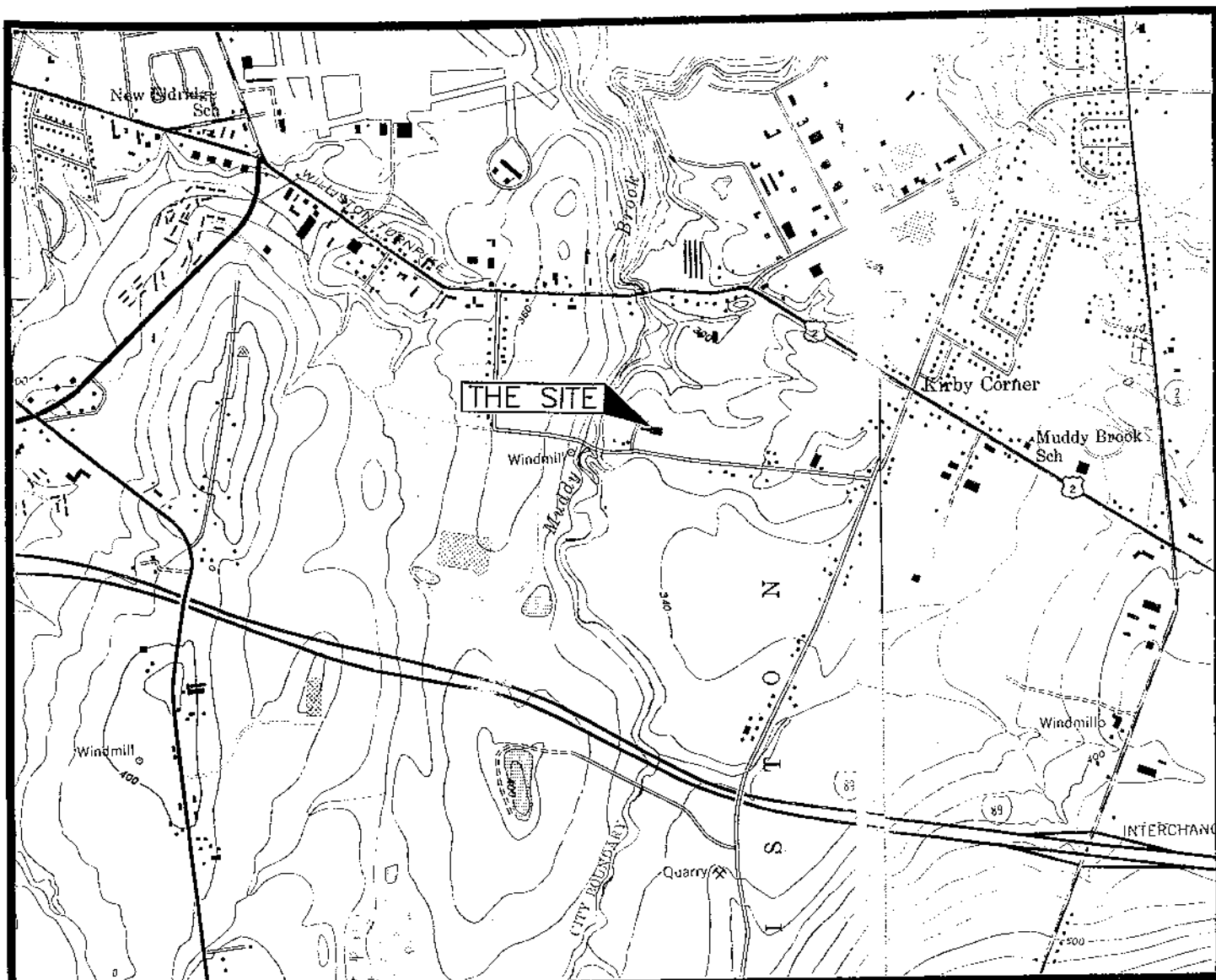
- Field headspace screening of soil samples collected during these activities yielded PID results of up to 344 ppmv in one soil sample collected from below the former gasoline dispenser. The VT ANR DEC was verbally notified of these conditions on November 30, 1999, and subsequently issued Case #99-2717 to this site.
- Based on PID field screening results and visual/olfactory indications of petroleum impact, approximately ten cubic yards of petroleum-impacted soil was segregated and stockpiled in accordance with VT ANR DEC Guidelines and Policies. This soil (13.41 tons as weighed by the receiving facility) was subsequently transported to the ESMI facility in Loudon, New Hampshire for recycling on February 24, 2000.
- One of the six post-excavation soil samples collected and submitted for laboratory analysis exhibited detectable concentrations of TPH-GRO and TPH-DRO that exceeded the 1000 mg/kg Closure Guidance Value presented in the DEC Guidelines for Petroleum Contaminated Soil and Debris.
- On February 24, 2000 GSC supervised the advancement of soil borings SB-1 through SB-4 in the vicinity of the dispenser island area to obtain additional soil and groundwater samples for laboratory analysis. All four borings were advanced to a depth of 15 feet below grade, and groundwater samples were subsequently obtained from borings SB-1, SB-2, and SB-3.
- Materials encountered during boring activities consisted of sand and gravel fill to a depth of approximately four feet below grade underlain by silt with varying amounts of clay and/or fine sand. Bedrock was not encountered during soil boring advancement.

- One of the soil samples collected and submitted for laboratory analysis from the four soil borings exhibited detectable concentrations of benzene and MTBE in excess of the VGES, as well as a concentration of TPH-DRO that exceeded the 1000 mg/kg Closure Guidance Value presented in the DEC Guidelines for Petroleum Contaminated Soil and Debris.
- None of the groundwater samples collected from three of the four advanced soil borings exhibited a detectable concentrations of BTEX constituents or MTBE.

The subsurface investigation performed to assess the petroleum impact identified at this site during the November, 1999 subsurface piping excavation activities indicates that two target petroleum analytes (benzene and MTBE) exist at concentrations that exceed the VGES Soil Standards. In addition, two of the ten soil samples collected at this site during the activities described herein exhibited concentrations of TPH that exceed the Closure Guidance Values published by VT ANR DEC. However, based on the fact that the apparent 'source' of the adsorbed petroleum impact is viewed to have been removed during the excavation activities performed herein, and the fact that none of the target petroleum analytes were detected in the three collected groundwater samples, residual adsorbed petroleum impact at this site is not viewed to be adversely affecting site groundwater conditions

As the PID responses and visual/olfactory observations indicate that the majority of the accessible petroleum-impacted soil has already been removed from the former source area, and subsurface materials do not appear to be conducive to rapid transport of the targeted analytes to site groundwater, the absence of potentially sensitive receptors in the vicinity of the subject property indicate that residual hydrocarbons adsorbed to site soil do not pose a significant risk to potential receptors at this time. This finding is supported by the fact that none of the detected target analytes exhibited concentrations approaching or exceeding the RBCA Soil Standards published by US EPA Region III, and the fact that the VGES Soil Standards appear to be arbitrarily derived from the Primary Groundwater Quality Standard and do not apply to the soil-to-groundwater transport potential associated with the analytes detected in soil at this particular site. **Therefore, as the presence of benzene and MTBE in site soil do not appear to be adversely affecting groundwater conditions at this site, and as it is anticipated that residual TPH-impacted soil at this site will continue to biodegrade and attenuate over time through naturally-occurring processes, no further actions are viewed to be warranted with respect to the petroleum-impacted soil identified and associated with VT ANR DEC Case #99-2717.**

APPENDIX A



UTM COORDINATES: 4 923 720 N
648 320 E

ZONE 18

LATITUDE: 44° 27' 15"

LONGITUDE: 73° 08' 05"



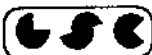
Scale in feet



QUADRANGLE
LOCATION

FIGURE 1
LOCUS PLAN
RYDER TRANSPORTATION SERVICES FACILITY
LOCATION CODE # 1178
520 SHUNPIKE ROAD
WILLISTON, VERMONT

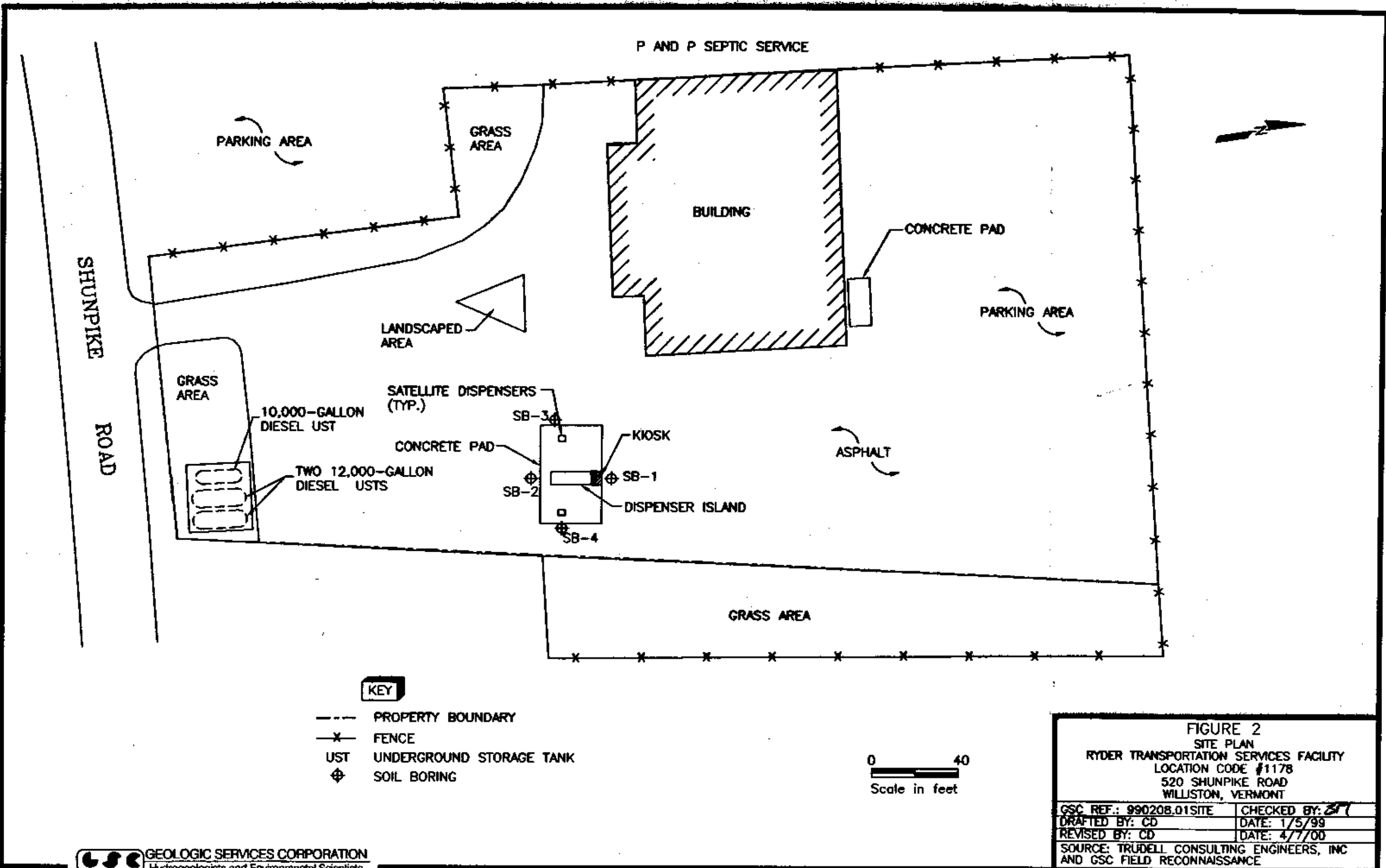
GSC REF.: 990208.01LOCUS	CHECKED BY:
DRAFTED BY: CD	DATE: 1/21/00
REVISED BY: RJD	DATE: 1/26/00
SOURCE: USGS TOPOGRAPHIC ESSEX JUCTION QUADRANGLE 7.5 MINUTE SERIES	

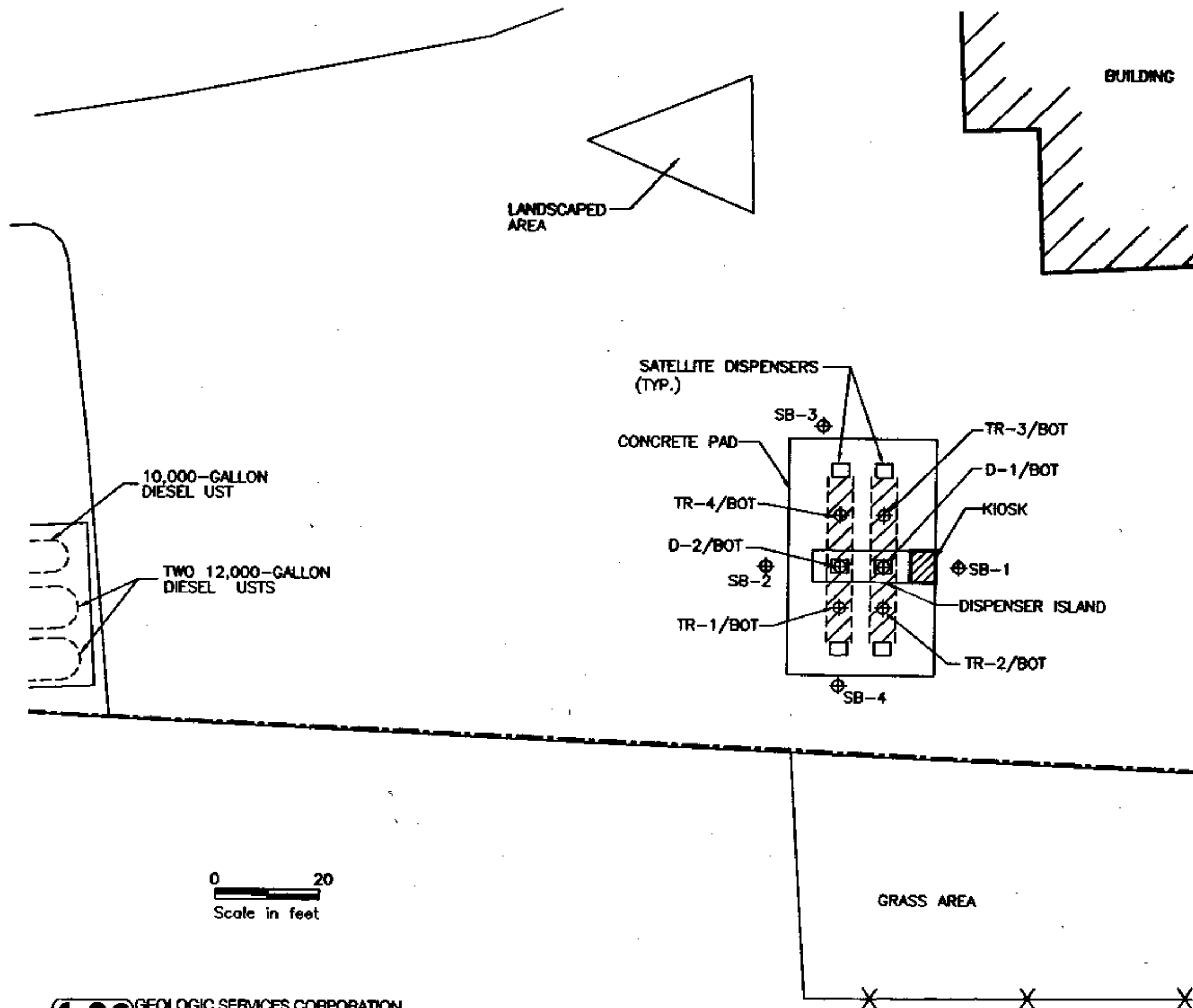


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KEY

- PROPERTY BOUNDARY
- X- FENCE
- UST UNDERGROUND STORAGE TANK
- ⊕ SOIL SAMPLE LOCATION AND DESIGNATION
- ▨ EXCAVATED AREAS

0 20
Scale in feet

FIGURE 3
SOIL SAMPLE LOCATION PLAN
 LOCATION CODE # 1178
 RYDER TRANSPORTATION SERVICES FACILITY
 520 SHUNPIKE ROAD
 WILLISTON, VERMONT

GSC REF.: 990208.01SOIL	CHECKED BY: <i>CD</i>
DRAFTED BY: CD	DATE: 1/24/00
REVISED BY: CD	DATE: 4/7/00
SOURCE: GSC Field Reconnaissance	

APPENDIX B



VIEW OF SATELLITE DISPENSER BEING REMOVED FROM EXCAVATION



VIEW OF SATELLITE PIPING BEING REMOVED FROM EXCAVATION

PHOTOGRAPHIC DOCUMENTATION — 11/30/99
 RYDER TRANSPORTATION SERVICES FACILITY
 LOCATION CODE #1178
 520 SHUNPIKE ROAD
 WILLISTON, VERMONT

GSC REF.: 990208.01PHOTO	CHECKED BY: JC
DRAFTED BY: CD	DATE: 1/21/00
REVISED BY: RJD	DATE: 1/26/00
SOURCE: GSC FIELD RECONNAISSANCE	



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 Hydrogeologists and Environmental Scientists

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VIEW OF EASTERN SIDE OF EXCAVATION



VIEW OF WESTERN SIDE OF EXCAVATION

PHOTOGRAPHIC DOCUMENTATION - 11/30/99
 RYDER TRANSPORTATION SERVICES FACILITY
 LOCATION CODE #1178
 520 SHUNPIKE ROAD
 WILLISTON, VERMONT

GSC REF.: 990208.02PHOTO	CHECKED BY: DC
DRAFTED BY: CD	DATE: 1/21/00
REVISED BY: RJD	DATE: 1/26/00
SOURCE: GSC FIELD RECONNAISSANCE	



GEOLOGIC SERVICES CORPORATION
 Hydrogeologists and Environmental Scientists

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APPENDIX C

TABLE I
Summary of Soil Sample Headspace Screening Results
Ryder Transportation Services Facility
Location Code #1178
520 Shunpike Road
Williston, Vermont
November 30, 1999

Soil Sample ID	Sample Location	Depth (ft)	PID Response (ppmv)	Soil Disposition	Laboratory Sample Identification
1	Gasoline Fuel Piping Excavation	0.5	5.0	re-used	-
2	Gasoline Fuel Piping Excavation	1-2	25.1	stockpiled	-
3	Gasoline Fuel Piping Excavation	1-2	18.1	stockpiled	-
4	Gasoline Fuel Piping Excavation	1-2	1.1	re-used	-
5	Gasoline Fuel Piping Excavation	1-2	0.4	re-used	-
6	Gasoline Fuel Piping Excavation	1-2	0.4	re-used	-
7	Gasoline Fuel Piping Excavation	1-2	0.1	re-used	-
8	Gasoline Fuel Piping Excavation	2-3	ND	re-used	-
9	Gasoline Fuel Piping Excavation	1-2	3.1	re-used	-
10	Gasoline Fuel Piping Excavation	2-3	1.4	re-used	-
11	Gasoline Fuel Piping Excavation	2-3	0.1	re-used	-
12	Gasoline Fuel Piping Excavation	1-2	29.1	stockpiled	-
13	Gasoline Fuel Piping Excavation	2-3	0.1	re-used	-
14	Gasoline Fuel Piping Excavation	2-3	ND	re-used	-
15	Gasoline Fuel Piping Excavation	0.5	ND	re-used	-
16	Gasoline Fuel Piping Excavation	2-3	0.6	in-situ	TR-2/BOT
17	Gasoline Fuel Piping Excavation	1-2	ND	re-used	-
18	Gasoline Fuel Piping Excavation	1-2	ND	re-used	-
19	Gasoline Fuel Piping Excavation	2-3	ND	re-used	-
20	Gasoline Fuel Piping Excavation	2-3	0.8	re-used	-
21	Gasoline Fuel Piping Excavation	2-3	0.1	in-situ	TR-3/BOT
22	Gasoline Fuel Piping Excavation	2-3	6.1	re-used	-
23	Gasoline Fuel Piping Excavation	2-3	18.1	stockpiled	-
24	Gasoline Fuel Piping Excavation	2-3	104	stockpiled	-
25	Gasoline Fuel Piping Excavation	1-2	9.1	re-used	-
26	Gasoline Fuel Piping Excavation	2-3	3.7	re-used	-
27	Gasoline Fuel Piping Excavation	2-3	ND	re-used	-

TABLE I
Summary of Soil Sample Headspace Screening Results
Ryder Transportation Services Facility
Location Code #1178
520 Shunpike Road
Williston, Vermont
November 30, 1999

Soil Sample ID	Sample Location	Depth (ft)	PID Response (ppmv)	Soil Disposition	Laboratory Sample Identification
28	Diesel Fuel Piping Excavation	0.5	25	stockpiled	-
29	Diesel Fuel Piping Excavation	1-2	38	stockpiled	-
30	Diesel Fuel Piping Excavation	1-2	26	stockpiled	-
31	Diesel Fuel Piping Excavation	1-2	1.0	re-used	-
32	Diesel Fuel Piping Excavation	2-3	8.1	re-used	-
33	Diesel Fuel Piping Excavation	1-2	0.7	re-used	-
34	Diesel Fuel Piping Excavation	1-2	0.4	re-used	-
35	Diesel Fuel Piping Excavation	1-2	ND	re-used	-
36	Diesel Fuel Piping Excavation	0.5	ND	re-used	-
37	Diesel Fuel Piping Excavation	2-3	4.5	in-situ	TR-1/BOT
38	Diesel Fuel Piping Excavation	1	0.4	re-used	-
39	Diesel Fuel Piping Excavation	1-2	0.2	re-used	-
40	Diesel Fuel Piping Excavation	2-3	ND	re-used	-
41	Diesel Fuel Piping Excavation	1-2	21.1	stockpiled	-
42	Diesel Fuel Piping Excavation	0.5	100	stockpiled	-
43	Diesel Fuel Piping Excavation	0-1	18.4	stockpiled	-
44	Diesel Fuel Piping Excavation	0-1	26.4	stockpiled	-
45	Diesel Fuel Piping Excavation	2-3	3.6	re-used	-
46	Diesel Fuel Piping Excavation	1-2	22.3	stockpiled	-
47	Diesel Fuel Piping Excavation	1-2	0.1	re-used	-
48	Diesel Fuel Piping Excavation	2-3	ND	in-situ	-
49	Diesel Fuel Piping Excavation	2-3	ND	in-situ	TR-4/BOT
50	Gasoline Dispenser Area Excavation	0-1	19	stockpiled	-
51	Gasoline Dispenser Area Excavation	1-2	68	stockpiled	-
52	Gasoline Dispenser Area Excavation	2-3	344	stockpiled	-
53	Gasoline Dispenser Area Excavation	2-3	30.3	stockpiled	-
54	Gasoline Dispenser Area Excavation	3	1.8	in-situ	D-1/BOT

TABLE I
Summary of Soil Sample Headspace Screening Results
Ryder Transportation Services Facility
Location Code #1178
520 Shunpike Road
Williston, Vermont
November 30, 1999

Soil Sample ID	Sample Location	Depth (ft)	PID Response (ppmv)	Soil Disposition	Laboratory Sample Identification
55	Diesel Dispenser Area Excavation	1-2	34.2	stockpiled	-
56	Diesel Dispenser Area Excavation	1-2	32.1	stockpiled	-
57	Diesel Dispenser Area Excavation	1-2	28.2	stockpiled	-
58	Diesel Dispenser Area Excavation	2-3	58	stockpiled	-
59	Diesel Dispenser Area Excavation	2-3	34	stockpiled	-
60	Diesel Dispenser Area Excavation	3-3.5	2.1	in-situ	D-2/BOT

Notes: UST - underground storage tank
Depth - depth below grade from which soil sample was collected in feet (ft)
PID - photoionization detector equipped with a 10.2 electron volt lamp calibrated to read volatile organic compounds (VOCs) in parts per million by volume (ppmv) as benzene
ND - not detected at or above PID detection limit (0.1 ppmv)
- - not applicable

TABLE II
Summary of Soil Sample Analytical Results
Ryder Transportation Services Facility
Location Code #1178
520 Shunpike Road
Williston, Vermont
November 30, 1999 through February 24, 2000

VT AGENCY OF NATURAL RESOURCES DEC SOIL STANDARDS

Soil Standard	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TPH (mg/kg)
Vermont Groundwater Enforcement Standards	0.005	1.0	0.7	10.0	0.04	1000
EPA Region III RECA - Industrial Direct Exposure	200	410,000	200,000	4,100,000	*	*

LABORATORY ANALYTICAL RESULTS

Sample ID	Date	Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TPH	
								GRO (mg/kg)	DRO (mg/kg)
D-1/BOT	11/30/99	3	<0.001	<0.001	<0.001	<0.001	<0.008	<0.1	16.0
D-2/BOT	11/30/99	3	<0.2	0.30	0.24	2.4	<1.6	2300	20,000
TR-1/BOT	11/30/99	2	<0.001	<0.001	<0.001	<0.001	<0.008	6.6	80.0
TR-2/BOT	11/30/99	2	<0.001	<0.001	<0.001	<0.001	<0.008	0.20	12.0
TR-3/BOT	11/30/99	2	<0.001	<0.001	<0.001	<0.001	<0.008	<0.1	18.0
TR-4/BOT	11/30/99	2	0.001	<0.001	<0.001	<0.001	<0.008	<0.1	4.0
SB-1	2/24/00	6-8	0.130	0.120	0.0011	<0.001	0.083	5.4	8300
SB-2	2/24/00	6-8	<0.001	<0.001	<0.001	<0.001	<0.008	<0.1	47
SB-3	2/24/00	6-8	<0.001	<0.001	<0.001	<0.001	<0.008	<0.1	23
SB-4	2/24/00	6-8	<0.001	<0.001	<0.001	<0.001	<0.008	<0.1	8.4

Notes: mg/kg - milligrams per kilogram (parts per million)

MTBE - methyl tert-butyl ether

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

<0.001 - not detected (method detection limit included)

TPH Standard presented under the Vermont Groundwater Enforcement Standard derived from the Closure Requirements set forth in the DEC Guidelines for Petroleum Contaminated Soil and Debris

shading indicates that reported concentration exceeds one or more of the standards presented above

* - no standard has been developed for this compound in this category

TABLE III
Summary of Groundwater Sample Analytical Results
Ryder Transportation Services Facility
Location Code #1178
520 Shunpike Road
Williston, Vermont
February 24, 2000

VT AGENCY OF NATURAL RESOURCES DEC GROUNDWATER STANDARDS

Groundwater Quality Standard	Benzene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)
Primary Groundwater Quality Standard	5.0	1000	700	10,000	40
Preventive Action Level	0.5	500	350	5000	20

LABORATORY ANALYTICAL RESULTS

Sample ID	Date	Benzene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)
SB-1/WS	2/24/00	<1.0	<1.0	<1.0	<1.0	<8.0
SB-2/WS	2/24/00	<1.0	<1.0	<1.0	<1.0	<8.0
SB-3/WS	2/24/00	<1.0	<1.0	<1.0	<1.0	<8.0

Notes: ug/l - milligrams per liter (parts per billion)
 MTBE - methyl tert-butyl ether
 <1.0 - not detected (method detection limit included)

APPENDIX D



JAN 14 2000

CORRECTED REPORT

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

LABORATORY REPORT

SPL WORKORDER NUMBER: 9912399

Submitted to:

BRIAN MOORE

GEOLOGIC SERVICES CORPORATION

15 BONAZZOLI AVENUE

HUDSON

MA 01749

Reported: 01/10/00

Prepared For: RYDER TRUCK RENTAL

Measurement Basis: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.

Report Comments:

Per David Cella, the enclosed report was amended to include the MTBE results for the samples originally analyzed by Method 8020 or 8260. All other analytical data remains the same. If you have any questions, please do not hesitate to call me at 318-237-4775.

Approved By:

ANNIE REEDY

Project Manager

Note: This report may not be reproduced, except in full, without written permission from SPL.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Date: Monday, January 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRUCK RENTAL

Project No: 990208

Site: WILLISTON, VT

Project: #1178, 521 SHUNPIKE ROAD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9912399-06	SOIL	TR-3/BOT	11/30/99	Methyl t-Butyl Ether	ND	8 Pug/kg	Method 8020A ***
				Benzene	ND	1.0ug/kg	Method 8021B ***
				EthylBenzene	ND	1.0ug/kg	Method 8021B ***
				Toluene	ND	1.0ug/kg	Method 8021B ***
				Total Xylene	ND	1.0ug/kg	Method 8021B ***
				Gasoline Range Organics	ND	0.1mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	18	3.3mg/kg	Method Modified 8015B*** for

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Date: Monday, January 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRUCK RENTAL

Project No: 990208

Site: WILLISTON, VT

Project: #1178, 521 SHUNPIKE ROAD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9912399-07	SOIL	VIC/SSWB	12/1/99	Tetrachloroethene	ND	5ug/Kg	Method 8260B ***
				Toluene	ND	5ug/Kg	Method 8260B ***
				trans-1,2-Dichloroethene	ND	5ug/Kg	Method 8260B ***
				trans-1,3-Dichloropropene	ND	5ug/Kg	Method 8260B ***
				Trichloroethene	ND	5ug/Kg	Method 8260B ***
				Trichlorofluoromethane	ND	5ug/Kg	Method 8260B ***
				Vinyl Acetate	ND	5ug/Kg	Method 8260B ***
				Vinyl chloride	ND	5ug/Kg	Method 8260B ***
				Xylenes (total)	ND	5ug/Kg	Method 8260B ***
				Gasoline Range Organics	ND	0.1mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	3.5	3.3mg/kg	Method Modified 8015B*** for

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Date: Monday, January 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRUCK RENTAL

Project No: 990208

Site: WILLISTON, VT

Project: #1178, 521 SHUNPIKE ROAD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9912399-08	SOIL	VIC/ESWB	12/1/99	Tetrachloroethene	ND	5ug/Kg	Method 8260B ***
				Toluene	ND	5ug/Kg	Method 8260B ***
				trans-1,2-Dichloroethene	ND	5ug/Kg	Method 8260B ***
				trans-1,3-Dichloropropene	ND	5ug/Kg	Method 8260B ***
				Trichloroethene	ND	5ug/Kg	Method 8260B ***
				Trichlorofluoromethane	ND	5ug/Kg	Method 8260B ***
				Vinyl Acetate	ND	5ug/Kg	Method 8260B ***
				Vinyl chloride	ND	5ug/Kg	Method 8260B ***
				Xylenes (total)	ND	5ug/Kg	Method 8260B ***
				Gasoline Range Organics	ND	0.1mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	ND	3.3mg/kg	Method Modified 8015B*** for

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Date: Monday, January 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRUCK RENTAL

Project No: 990208

Site: WILLISTON, VT

Project: #1178, 521 SHUNPIKE ROAD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9912399-09	SOIL	VIC/WSWB	12/1/99	Tetrachloroethene	ND	5ug/Kg	Method 8260B ***
				Toluene	ND	5ug/Kg	Method 8260B ***
				trans-1,2-Dichloroethene	ND	5ug/Kg	Method 8260B ***
				trans-1,3-Dichloropropene	ND	5ug/Kg	Method 8260B ***
				Trichloroethene	ND	5ug/Kg	Method 8260B ***
				Trichlorofluoromethane	ND	5ug/Kg	Method 8260B ***
				Vinyl Acetate	ND	5ug/Kg	Method 8260B ***
				Vinyl chloride	ND	5ug/Kg	Method 8260B ***
				Xylenes (total)	ND	5ug/Kg	Method 8260B ***
				Gasoline Range Organics	ND	0.1mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	170	66mg/kg	Method Modified 8015B*** for

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (537) 237-4775

Date: Monday, January 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRUCK RENTAL

Project No: 990208

Site: WILLISTON, VT

Project: #1178, 521 SHUNPIKE ROAD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9912399-10	SOIL	VIC/NSWB	12/1/99	Tetrachloroethene	ND	5ug/Kg	Method 8260B ***
				Toluene	ND	5ug/Kg	Method 8260B ***
				trans-1,2-Dichloroethene	ND	5ug/Kg	Method 8260B ***
				trans-1,3-Dichloropropene	ND	5ug/Kg	Method 8260B ***
				Trichloroethene	ND	5ug/Kg	Method 8260B ***
				Trichlorofluoromethane	ND	5ug/Kg	Method 8260B ***
				Vinyl Acetate	ND	5ug/Kg	Method 8260B ***
				Vinyl chloride	ND	5ug/Kg	Method 8260B ***
				Xylenes (total)	ND	5ug/Kg	Method 8260B ***
				Gasoline Range Organics	ND	0.1mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	400	66mg/kg	Method Modified 8015B*** for

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Date: Monday, January 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRUCK RENTAL

Project No: 990208

Site: WILLISTON, VT

Project: #1178, 521 SHUNPIKE ROAD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9912399-11	SOIL	DISCH/VIC	12/1/99	Tetrachloroethene	ND	5ug/Kg	Method 8260B ***
				Toluene	ND	5ug/Kg	Method 8260B ***
				trans-1,2-Dichloroethene	ND	5ug/Kg	Method 8260B ***
				trans-1,3-Dichloropropene	ND	5ug/Kg	Method 8260B ***
				Trichloroethene	ND	5ug/Kg	Method 8260B ***
				Trichlorofluoromethane	ND	5ug/Kg	Method 8260B ***
				Vinyl Acetate	ND	5ug/Kg	Method 8260B ***
				Vinyl chloride	ND	5ug/Kg	Method 8260B ***
				Xylenes (total)	ND	5ug/Kg	Method 8260B ***
				Gasoline Range Organics	ND	0.1mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	360	33mg/kg	Method Modified 8015B*** for
9912399-12	SOIL	STOCKPILE	12/1/99	Gasoline Range Organics	890	50mg/kg	Method Modified 8015B*** for
				Petroleum Hydrocarbons-Diesel	5300	66mg/kg	Method Modified 8015B*** for

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.
**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-01

RYDER TRUCK RENTAL
19 MINK RUN COURT
NORTH BRUNSWICK, NJ 8902
ATTN: CARRIE BUCK

DATE: 01/10/00

PROJECT: #1178, 521 SHUNPIKE ROAD
SITE: WILLISTON, VT
SAMPLED BY: GEOLOGIC SERVICES
SAMPLE ID: D-2/BOT

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 11/30/99 14:00:00
DATE RECEIVED: 12/02/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Methyl t-Butyl Ether	ND	1600	ug/kg
Method 8020A ***			
Analyzed by: RB			
Date: 12/08/99 16:33:00			

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.
+D = SURROGATE DILUTED OUT.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-03

RYDER TRUCK RENTAL
19 MINK RUN COURT
NORTH BRUNSWICK, NJ 8902
ATTN: CARRIE BUCK

DATE: 01/10/00

PROJECT: #1178, 521 SHUNPIKE ROAD
SITE: WILLISTON, VT
SAMPLED BY: GEOLOGIC SERVICES
SAMPLE ID: TR-4/BOT

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 11/30/99 14:20:00
DATE RECEIVED: 12/02/99

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Gasoline Range Organics	ND	0.1 P	mg/kg	
Surrogate	% Recovery			
4-Bromofluorobenzene	95			
1,4-Difluorobenzene	98			
Method Modified 8015B*** for Gasoline				
Analyzed by: RB				
Date: 12/09/99				
BENZENE	ND	1.0 P	ug/kg	
TOLUENE	ND	1.0 P	ug/kg	
ETHYLBENZENE	ND	1.0 P	ug/kg	
TOTAL XYLENE	ND	1.0 P	ug/kg	
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/kg	
Surrogate	% Recovery			
1,4-Difluorobenzene	98			
4-Bromofluorobenzene	101			
Method 8021B ***				
Analyzed by: RB				
Date: 12/09/99				
Methyl t-Butyl Ether	ND	8	ug/kg	
Method 8020A ***				
Analyzed by: RB				
Date: 12/08/99 16:33:00				

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFE'RY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-04

RYDER TRUCK RENTAL
19 MINK RUN COURT
NORTH BRUNSWICK, NJ 8902
ATTN: CARRIE BUCK

DATE: 01/10/00

PROJECT: #1178, 521 SHUNPIKE ROAD
SITE: WILLISTON, VT
SAMPLED BY: GEOLOGIC SERVICES
SAMPLE ID: TR-1/BOT

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 11/30/99 14:30:00
DATE RECEIVED: 12/02/99

PARAMETER	ANALYTICAL DATA	RESULTS	DETECTION LIMIT	UNITS
Methyl t-Butyl Ether		ND	8	ug/kg
Method 8020A ***				
Analyzed by: RB				
Date: 12/08/99 16:33:00				

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-06

RYDER TRUCK RENTAL
19 MINK RUN COURT
NORTH BRUNSWICK, NJ 8902
ATTN: CARRIE BUCK

DATE: 01/10/00

PROJECT: #1178, 521 SHUNPIKE ROAD
SITE: WILLISTON, VT
SAMPLED BY: GEOLOGIC SERVICES
SAMPLE ID: TR-3/BOT

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 11/30/99 13:30:00
DATE RECEIVED: 12/02/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	ND	0.1 P	mg/kg
Surrogate	% Recovery		
4-Bromofluorobenzene	97		
1,4-Difluorobenzene	101		
Method Modified 8015B*** for Gasoline			
Analyzed by: RB			
Date: 12/09/99			
BENZENE	ND	1.0 P	ug/kg
TOLUENE	ND	1.0 P	ug/kg
ETHYLBENZENE	ND	1.0 P	ug/kg
TOTAL XYLENE	ND	1.0 P	ug/kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/kg
Surrogate	% Recovery		
1,4-Difluorobenzene	92		
4-Bromofluorobenzene	91		
Method 8021B ***			
Analyzed by: RB			
Date: 12/09/99			
Methyl t-Butyl Ether	ND	8	ug/kg
Method 8020A ***			
Analyzed by: RB			
Date: 12/08/99 16:33:00			

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-07

RYDER TRUCK RENTAL

SAMPLE ID: VIC/SSWB

ANALYTICAL DATA (continued)

PARAMETER	RESULTS	PQL*	UNITS	
o-Xylene	ND	5	ug/Kg	
Methyl t-butyl ether	ND	5	ug/Kg	
SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	100 ug/Kg	93	80.00	120.0
Toluene-d8	100 ug/Kg	93	81.00	117.0
4-Bromofluorobenzene	100 ug/Kg	88	74.00	121.0

ANALYZED BY: YTS

DATE/TIME: 12/07/99 12:07:00

METHOD: 8260B Soil, Volatile Organics

NOTES: * - Practical Quantitation Limit

ND - Not Detected

NA - Not Analyzed

COMMENTS: Method 8260 Associated Blank:X341B01 File ID: X341S07

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-08

RYDER TRUCK RENTAL

SAMPLE ID: VIC/ESWB

ANALYTICAL DATA (continued)

PARAMETER	RESULTS	PQL*	UNITS	
o-Xylene	ND	5	ug/Kg	
Methyl t-butyl ether	ND	5	ug/Kg	
SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	100 ug/Kg	91	80.00	120.0
Toluene-d8	100 ug/Kg	92	81.00	117.0
4-Bromofluorobenzene	100 ug/Kg	88	74.00	121.0

ANALYZED BY: YTS

DATE/TIME: 12/07/99 15:45:00

METHOD: 8260B Soil, Volatile Organics

NOTES: * - Practical Quantitation Limit

ND - Not Detected

NA - Not Analyzed

COMMENTS: Method 8260 Associated Blank:X341B01 File ID: X341S88

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-09

RYDER TRUCK RENTAL

SAMPLE ID: VIC/WSWB

ANALYTICAL DATA (continued)

PARAMETER	RESULTS	PQL*	UNITS	
o-Xylene	ND	5	ug/Kg	
Methyl t-butyl ether	ND	5	ug/Kg	
SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	100 ug/Kg	81	80.00	120.0
Toluene-d8	100 ug/Kg	96	81.00	117.0
4-Bromofluorobenzene	100 ug/Kg	87	74.00	121.0

ANALYZED BY: YTS

DATE/TIME: 12/07/99 16:10:00

METHOD: 8260B Soil, Volatile Organics

NOTES: * - Practical Quantitation Limit

ND - Not Detected

NA - Not Analyzed

COMMENTS: Method 8260 Associated Blank:X341B01 File ID: X341S89
+D = SURROGATE DILUTED OUT.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-10

RYDER TRUCK RENTAL

SAMPLE ID: VIC/NSWB

ANALYTICAL DATA (continued)				
PARAMETER	RESULTS	PQL*	UNITS	
o-Xylene	ND	5	ug/Kg	
Methyl t-butyl ether	ND	5	ug/Kg	
SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	100 ug/Kg	105	80.00	120.0
Toluene-d8	100 ug/Kg	95	81.00	117.0
4-Bromofluorobenzene	100 ug/Kg	85	74.00	121.0

ANALYZED BY: YTS

DATE/TIME: 12/07/99 14:04:00

METHOD: 8260B Soil, Volatile Organics

NOTES: * - Practical Quantitation Limit

ND - Not Detected

NA - Not Analyzed

COMMENTS: Method 8260 Associated Blank:X341B01 File ID: X341S10

+D = SURROGATE DILUTED OUT.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-9912399-11

RYDER TRUCK RENTAL

SAMPLE ID: DISCH/VIC

ANALYTICAL DATA (continued)				
PARAMETER	RESULTS	PQL*	UNITS	
o-Xylene	ND	5	ug/Kg	
Methyl t-butyl ether	ND	5	ug/Kg	
SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	100 ug/Kg	98	80.00	120.0
Toluene-d8	100 ug/Kg	94	81.00	117.0
4-Bromofluorobenzene	100 ug/Kg	84	74.00	121.0

ANALYZED BY: YTS

DATE/TIME: 12/07/99 14:27:00

METHOD: 8260B Soil, Volatile Organics

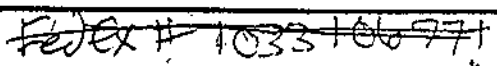
NOTES: * - Practical Quantitation Limit

ND - Not Detected

NA - Not Analyzed

COMMENTS: Method 8260 Associated Blank:X341B01 File ID: X341S11
+D = SURROGATE DILUTED OUT.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.

Page 2 of 2

☐ 143 Mallard, Suite B
St. Rose, Louisiana 70087
(504) 487-5503
Fax: (504) 468-3672

Temp:	Store:
(Lab Use Only)	

Wilmington VT

521 Shump, He Rd

Pictorial

AGENT'S FAX #:

1. Minister of Health



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Southern Petroleum Laboratories

Certificate of Analysis Number:
99120188

Report To:

Southern Petroleum Laboratories
Vicki Fredericks
500 Ambassador Caffery Parkway

Scott
Louisiana
70583-8544
ph: (318) 237-4775 fax: (318) 237-7080

Project Name: #1178

Site: Ryder Truck Rental

Site Address:

PO Number:

State: Louisiana

State Cert. No.: N/A

Date Reported:

Any Data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Brown, Electa
Project Manager

12/17/99

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID VIC/SSWB Collected: 12/1/99 11:20:00 SPL Sample ID: 99120188-01

Site: Ryder Truck Rental

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE HYDROCARBONS			MCL	SW8015B	Units: mg/Kg		
Ethylene Glycol	ND	20	1		12/16/99 12:31	DR	133033
Surr: Triethylene Glycol	75	% 50-150	1		12/16/99 12:31	DR	133033

Run ID/Seq #: VARC_991216A-133033

Prep Method	Prep Date	Prep Initials
SW3550A	12/08/1999 14:16	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

12/17/99 10:12:15 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID VIC/WSWB

Collected: 12/1/99 11:28:00 SPL Sample ID: 99120188-03

Site: Ryder Truck Rental

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE HYDROCARBONS			MCL	SW8015B	Units: mg/Kg		
Ethylene Glycol	ND	20	1		12/16/99 13:19	DR	133044
Surr: Triethylene Glycol	59	% 50-150	1		12/16/99 13:19	DR	133044

Run ID/Seq #: VARC_991216A-133044

Prep Method	Prep Date	Prep Initials
SW3550A	12/08/1999 14:16	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

12/17/99 10:12:16 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID DISCH/VIC

Collected: 12/1/99 2:45:00 SPL Sample ID: 99120188-05

Site: Ryder Truck Rental

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE HYDROCARBONS			MCL	SW8015B	Units: mg/Kg		
Ethylene Glycol	ND	20	1		12/16/99 13:59	DR	133046
Surr: Triethylene Glycol	67 %	50-150	1		12/16/99 13:59	DR	133046

Run ID/Seq #: VARC_991216A-133046

Prep Method	Prep Date	Prep Initials
SW3550A	12/08/1999 14:16	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

12/17/99 10:12:17 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Southern Petroleum Laboratories

#1178

Analysis: Semivolatile Hydrocarbons
Method: SW8015B

WorkOrder: 99120188
Lab Batch ID: 2037

Method Blank

RunID: VARC_991216A-133032 Units: mg/Kg
Analysis Date: 12/16/1999 11:53 Analyst: DR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99120188-01A	VIC/SSWB
99120188-02A	VIC/ESWB
99120188-03A	VIC/WSWB
99120188-04A	VIC/NSWB
99120188-05A	DISCH/VIC

Analyte	Result	Rep Limit
Ethylene Glycol	ND	20
Sum: Triethylene Glycol	72.4	0-0

Laboratory Control Sample (LCS)

RunID: VARC_991216A-133039 Units: mg/Kg
Analysis Date: 12/15/1999 14:52 Analyst: DR

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Ethylene Glycol	400	460	116	50	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99120188-03
RunID: VARC_991216A-133040 Units: mg/Kg
Analysis Date: 12/15/1999 15:14 Analyst: DR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Ethylene Glycol	ND	400	390	96.5	400	380	93.9	2.75	30	50	150

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution



INTEROFFICE SAMPLE TRANSFER
CHAIN OF CUSTODY

94120188

SPL LABORATORIES, INC.
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE: (318) 237-4775

ORIGINATING LAB: LAFAYETTE RECEIVING LAB: clouston DATE 12/7/99
ATTENTION: _____ REPORT RESULTS TO: Vickie Frederick
REPORT RESULTS BY: _____ VERBAL _____ WRITTEN _____ FAX (318) 237-7080
CLIENT NAME: _____ PROJECT NO.: _____ DATE NEEDED: 12/13/99
PROJECT NAME: #1178 PROJECT LOCATION: Williston, VT

HEADING FOR ANALYSIS

INVOICE TO: _____

P.O.# _____

COMPANY: Ryder Truck Rental
ADDRESS: 190 Mink Run Court
W. Brunswick, NJ 08902
ATTN: Carrie Buck

RUSH

SAMPLE NO. IDENTIFICATION	SAMPLE DATE TIME	LAB SAMPLE NUMBER	NO. JAR	TYPE JAR	SAMPLE MATRIX	ANALYSES REQUIRED	QUOTE PRICE
VIC/SSWB	12/1/99 1120	9912399-01C			Oil	Ethylene Diglycol	6.50
VIC/ESWB	" 1124		08C				
VIC/WSWB	" 1128		09C				
VIC/NSWB	" 1136		10C				
Disch/Vic	" 1445		11C		✓	✓	

4052 6182 2100

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
1. <u>Kenneth Contant</u>	<u>12-7-99</u>	<u>16:25</u>	<u>Mike St</u>	<u>12/8/99</u>	<u>1000</u>
2. _____					

NOTES: _____

FREIGHT # _____ SHIPPED BY _____ PAGE _____ OF _____

(28)



**** SPL BATCH QUALITY CONTROL REPORT ****
Method 8021B ***

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Matrix: Soil
Units: ug/kg

Batch Id: HPAA991208163301

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery <4>	
Benzene	ND	50	53	106	70 - 130
Toluene	ND	50	50	100	70 - 130
Ethyl Benzene	ND	50	49	98.0	70 - 130
o-Xylene	ND	50	52	104	70 - 130
m and p Xylene	ND	100	100	100	70 - 130

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
BENZENE	ND	50	38	75.6	37	73.6	2.68	20	70 - 130
TOLUENE	ND	50	31	62.0 *	29	58.0 *	6.67	20	70 - 130
ETHYL BENZENE	ND	50	22	44.0 *	21	42.0 *	4.65	20	70 - 130
O-XYLENE	ND	50	24	48.0 *	23	46.0 *	4.26	20	70 - 130
M AND P XYLENE	ND	100	48	48.0 *	45	45.0 *	6.45	20	70 - 130

Analyst: RB

Sequence Date: 12/08/99

SPL ID of sample spiked: 9912399-11A

Sample File ID: AL08325.TX0

Method Blank File ID:

Blank Spike File ID: AL08303.TX0

Matrix Spike File ID: AL08332.TX0

Matrix Spike Duplicate File ID: AL08333.TX0

* = Values Outside QC Range. * = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $[(<1> - <2>) / <3>] \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

Relative Percent Difference = $|(<4> - <5> | / [(<4> + <5>) \times 0.5] \times 100$

(**) = Source:

(***) = Source: 8020 Table 3

SAMPLES IN BATCH(SPL ID): 9912399-01A 9912399-02A 9912399-03A 9912399-04A
 9912399-05A 9912399-06A

NOTE: THE SOIL SAMPLE CHOSEN FOR SPIKING CAUSED AN ABSORPTIVE EFFECT ON THE SPIKE ADDED.



**** SPL BATCH QUALITY CONTROL REPORT ****

Method Modified 8015B*** for Gasoline

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Matrix: Soil
Units: mg/kg

Batch Id: HPAA991208163304

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank	Spike	QC Limits(**) (Mandatory) ‡ Recovery Range
			Result <1>	Recovery ‡	
Gasoline Range Organ	ND	5.0	5.4	108	70 - 130

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
GASOLINE RANGE ORGAN	ND	5.0	4.3	86.0	4.3	86.0	0	20	20 - 130

Analyst: RB

Sequence Date: 12/08/99

SPL ID of sample spiked: 9912385-12A

Sample File ID: GL08350.TX0

Method Blank File ID:

Blank Spike File ID: GL08305.TX0

Matrix Spike File ID: GL08353.TX0

Matrix Spike Duplicate File ID: GL08354.TX0

* = Values Outside QC Range. < = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

‡ Recovery = $\{[(<1> - <2>) / <3>] \times 100$

LCS ‡ Recovery = $(<1> / <3>) \times 100$

Relative Percent Difference = $\{[(<4> - <5>) / \{ (<4> + <5>) \times 0.5 \}] \times 100$

(**) = Source:

(***) = Source:

SAMPLES IN BATCH(SPL ID):

9912399-12A 9912535-01A 9912535-02A 9912535-03A
9912535-04A 9912385-11A 9912385-12A 9912399-01A
9912399-02A



SPL Blank QC Report

page 4

Matrix: Soil
Sample ID: MBLK
Batch: X991207204301

Reported on: 12/21/99 12:00
Analyzed on: 12/07/99 11:20
Analyst: YTS

Method 8260 - X341B01

Compound	Result	Detection Limit	Units
Chloromethane	ND	5	ug/Kg
Vinyl Chloride	ND	5	ug/Kg
Bromomethane	ND	5	ug/Kg
Chloroethane	ND	5	ug/Kg
Trichlorofluoromethane	ND	5	ug/Kg
Acetone	ND	100	ug/Kg
1,1-Dichloroethene	ND	5	ug/Kg
Methylene Chloride	ND	5	ug/Kg
1,2-Dichloroethene (total)	ND	5	ug/Kg
Carbon Disulfide	ND	5	ug/Kg
trans-1,2-Dichloroethene	ND	5	ug/Kg
1,1-Dichloroethane	ND	5	ug/Kg
Vinyl Acetate	ND	5	ug/Kg
2-Butanone	ND	10	ug/Kg
cis-1,2-Dichloroethene	ND	5	ug/Kg
Chloroform	ND	5	ug/Kg
1,1,1-Trichloroethane	ND	5	ug/Kg
1,2-Dichloroethane	ND	5	ug/Kg
Benzene	ND	5	ug/Kg
Carbon Tetrachloride	ND	5	ug/Kg
1,2-Dichloropropane	ND	5	ug/Kg
Trichloroethene	ND	5	ug/Kg
Bromodichloromethane	ND	5	ug/Kg
4-Methyl-2-Pentanone	ND	5	ug/Kg
cis-1,3-Dichloropropene	ND	5	ug/Kg
trans-1,3-Dichloropropene	ND	5	ug/Kg
Toluene	ND	5	ug/Kg
1,1,2-Trichloroethane	ND	5	ug/Kg
2-Hexanone	ND	5	ug/Kg
Dibromochloromethane	ND	5	ug/Kg
Tetrachloroethene	ND	5	ug/Kg
Chlorobenzene	ND	5	ug/Kg
Xylene (Total)	ND	5	ug/Kg
Ethylbenzene	ND	5	ug/Kg

Notes

ND - Not detected.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 12/09/99

Analyzed on: 12/08/99

Analyst: AH

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Total Solids
EPA CLP Inorganic SOW-ILM03

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration wt %	Duplicate Sample wt %	RPD	RPD Max.
9912456-03C	80.5	81.2	0.9	20

TSOL991282000000-9912413

Samples in batch:

9912399-07B 9912399-08B 9912399-09B 9912399-10B
9912399-11B 9912456-03C

COMMENTS:



LAFAYETTE AREA LAB
500 AMBASSADOR CAFE'RY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Solid

Reported on: 12/09/99

Analyzed on: 12/09/99

Analyst: CJ

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
Method 7471A ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	2.17	2.51	1.48 - 2.86

FIAS991209110000-9912451

Samples in batch:

9912399-07B 9912399-08B 9912399-09B 9912399-10B
9912399-11B 9912424-01B 9912456-03A

COMMENTS:



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 12/13/99

Analyzed on: 12/13/99

Analyst: JB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Lead, Total
Method 7420 ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	56.6	52	43.1 - 70.1

3100991213120000-9912551

Samples in batch:

9912399-07B 9912399-08B 9912399-09B 9912399-10B
9912399-11B 9912424-01B 9912456-03A

COMMENTS:



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 12/10/99

Analyzed on: 12/09/99

Analyst: EG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Diesel Range Organics
Method Modified 8015B*** for Diesel

SPL Sample ID Number	Blank Value mg/Kg	LCS Concentration mg/Kg	Measured Concentration mg/Kg	% Recovery	QC Limits Recovery
LCS	ND	100	72	72.0	47 - 129

991209114000 -9912499

Samples in batch:

9912399-01B	9912399-02B	9912399-03B	9912399-04B
9912399-05B	9912399-06B	9912399-07B	9912399-08B
9912399-09B	9912399-10B	9912399-11B	9912399-12B

COMMENTS:

Receipt Checklist

9912399

Client: <u>Geologic Serv.</u>		COC Serial #:		
Project #: <u>990208</u>		Project Loc: <u>VT</u>		
		Yes	No	NA
Are Custody seals on the shipping container present and intact?				
Chain-of-Custody (COC) present and signed by the sampler?				
Traffic reports, airbills, or bills of lading present?				
Are sample containers intact?				
Are sample tags/field labels present on each sample?				
Are all samples present in the sample kit listed on the COC?				
Do date/time of sample collection agree with COC?				
Do sample tags/field tags agree with COC?				
Does sample type agree with COC?				
Does the number of bottles received for each parameter agree with COC?				
Does the bottle type and volume agree with COC?				
Are the analyses requested listed on the COC?				
Is the sample kit temperature 2 - 6 degrees C?				
Record the temperature in degrees C in the NA column.				
Is the pH of all preserved samples checked and documented properly?				
Are all samples preserved according to EPA guidelines?				
Are all samples within the EPA maximum holding times?				
Do sample containers conform to EPA guidelines?				
Did the receiving technician record the date/time of receipt and sign the COC?				
Was a nonconformance filled out for any items with a NO response?				
Method of sample delivery to SPL and airbill number where applicable (circle one)?				
Fed-X UPS Other:				
Method of sample disposal: (circle one) SPL Disposal HOLD Return to Client				
Receiving Technician signature:				Date/Time:



Fed Ex # 10310677 SPL Laboratories Inc.

Page 1 of 2

Analysis Request and Chain of Custody Record

☐ 8880 Interchange Drive, Houston, Texas 77054 (713) 660-0901 Fax: (713) 660-8975
☒ 500 Ambassador Caffery Pkwy, Scott, Louisiana 70583 (318) 237-4775 Fax: (318) 237-7080
☐ 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777 Fax: (616) 947-7455
☐ 143 Mallard, Suite B, St. Rose, Louisiana 70087 (504) 487-5503 Fax: (504) 468-3672

Temp: Store: (Lab Use Only)

Consultant Project No. 490208 Project Physical Address 521 Shunpike Rd Project City and State Williston, VT

Field Sample No. / Identification	Date and Time	Grab	Comp	Sample Container (No. & Size)	Sample Type (Liquid, Soil Sludge, Etc.)	Preservative	ANALYSIS REQUESTED		REMARKS
							TEST	METHOD	
0-2/BOT	11/30/99 2:00	X		2	Soil	-	VOCs TPH	8020B, GRO/DRO	8021SB 8015SG
0-1/BOT	11/30/99 2:15	X		2	Soil	-			8015SD
1-4/BOT	11/30/99 2:20	+		2	Soil	-			PRP6
2-1/BOT	11/30/99 2:30	X		2	Soil	-			
1-2/BOT	11/30/99 2:40	X		2	Soil	-			
1-3/BOT	11/30/99 1:30	X		2	Soil	-			
1-5WB	12/1/99 11:20	X		2	Soil		VOCs, RCRA 8 Metals, Ethylene Glycol, TPH	8260, 6010/7000, 8002, GRO/DRO	8260S RCRA-6
1-6WB	12/1/99 11:24	X		2	Soil				8015 - to Houston
1-7WB	12/1/99 11:28	X		2	Soil				
1-8WB	12/1/99 11:36	X		2	Soil				

12/13/99
232

Samplers: (Signature)	Relinquished by: (Signature)	Date: 12/1/99	Received by: (Signature)	Date: 12/1/99	Intact
	<i>[Signature]</i>	Time: 11:20	<i>[Signature]</i>	Time: 11:20	X
Affiliation	Relinquished by: (Signature)	Date: 12/2/99	Received by: (Signature)	Date: 12/2/99	Intact
	<i>[Signature]</i>	Time: 11:10	<i>[Signature]</i>	Time: 11:10	X

REPORT TO: CONSULTANT'S NAME & ADDRESS:

Geologic Services Corp
15 Brainerd Ave, Houston, TX 77047

CONTACT: Brian Moore

CONSULTANT'S PHONE #: (978) 568-8146

CONSULTANT'S FAX #: - 9316

REMARKS:

Turn Around Time

☐ 24 Hrs☐ 3 Days☐ 5 Days☒ StandardINVOICE TO: ☐ RYDER SYSTEM, INC.☒ Ryder Transportation

RYDER PROJECT CONTACT: Carrie Anne Buck

☐ MIAMI, FL☐ POMPAÑO BEACH, FL

PROJECT INFORMATION:

SUBSIDIARY:

☐ RTR☐ RST

REGION:

DISTRICT:

LOCATION CODE: 1178



MAR 16 2000

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

L A B O R A T O R Y R E P O R T

SPL WORKORDER NUMBER: 0003136

Submitted to:
BRIAN MOORE
GEOLOGIC SERVICES CORPORATION
15 BONAZZOLI AVENUE
HUDSON MA 01749

Reported: 03/10/00

Prepared For: RYDER TRANSPORTATION SERVICES

Measurement Basis: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.

Approved By:

A handwritten signature in cursive script, appearing to read 'A. Reedy', is written over a horizontal line.

ANNIE REEDY
Project Manager

Note: This report may not be reproduced, except in full, without written permission from SPL.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Date: Friday, March 10, 2000

*****SUMMARY REPORT*****

Company: RYDER TRANSPORTATION SERVICES

Project No: 990208

Site: WILLILSTON, VT (BURLINGTON)

Project: #1178, 520 SHUNPIKE AVE.

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
0003136-06	WATER	SB-2/WS	2/24/2000	Benzene	ND	1µg/L	Method 8020A ***
				EthylBenzene	ND	1µg/L	Method 8020A ***
				MTBE	ND	8µg/L	Method 8020A ***
				Toluene	ND	1µg/L	Method 8020A ***
				Total Xylene	ND	1µg/L	Method 8020A ***
0003136-07	WATER	SB-3/WS	2/24/2000	Benzene	ND	1µg/L	Method 8020A ***
				EthylBenzene	ND	1µg/L	Method 8020A ***
				MTBE	ND	8µg/L	Method 8020A ***
				Toluene	ND	1µg/L	Method 8020A ***
				Total Xylene	ND	1µg/L	Method 8020A ***

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-0003136-01

RYDER TRANSPORTATION SERVICES
160 LAWRENCEVILLE-PENNINGTON
LAWRENCEVILLE, NJ 8648
ATTN: CARRIE BUCK

DATE: 03/10/00

PROJECT: #1178, 520 SHUNPIKE AVE.
SITE: WILLILSTON, VT (BURLINGTON)
SAMPLED BY: GES
SAMPLE ID: SB-1/6-8

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 02/24/00 10:50:00
DATE RECEIVED: 03/03/00

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Surrogate o-Terphenyl Method Modified 8015B*** for Diesel Analyzed by: RJB Date: 03/08/00 04:20:00	% Recovery D			
Sonication Extraction Method 3550B *** Analyzed by: DMB Date: 03/06/00 13:00:00	3/6/00			

D - Diluted, limits not applicable.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-0003136-02

RYDER TRANSPORTATION SERVICES
160 LAWRENCEVILLE-PENNINGTON
LAWRENCEVILLE, NJ 8648
ATTN: CARRIE BUCK

DATE: 03/10/00

PROJECT: #1178, 520 SHUNPIKE AVE.
SITE: WILLILSTON, VT (BURLINGTON)
SAMPLED BY: GES
SAMPLE ID: SB-2/6-8

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 02/24/00 12:01:00
DATE RECEIVED: 03/03/00

ANALYTICAL DATA			
PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Sonication Extraction	3/6/00		
Method 3550B ***			
Analyzed by: DMB			
Date: 03/06/00 13:00:00			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-0003136-03

RYDER TRANSPORTATION SERVICES
160 LAWRENCEVILLE-PENNINGTON
LAWRENCEVILLE, NJ 8648
ATTN: CARRIE BUCK

DATE: 03/10/00

PROJECT: #1178, 520 SHUNPIKE AVE.
SITE: WILLILSTON, VT (BURLINGTON)
SAMPLED BY: GES
SAMPLE ID: SB-3/6-8

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 02/24/00 12:58:00
DATE RECEIVED: 03/03/00

ANALYTICAL DATA			
PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Sonication Extraction	3/6/00		
Method 3550B ***			
Analyzed by: DMB			
Date: 03/06/00 13:00:00			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-0003136-04

RYDER TRANSPORTATION SERVICES
160 LAWRENCEVILLE-PENNINGTON
LAWRENCEVILLE, NJ 8648
ATTN: CARRIE BUCK

DATE: 03/10/00

PROJECT: #1178, 520 SHUNPIKE AVE.
SITE: WILLILSTON, VT (BURLINGTON)
SAMPLED BY: GES
SAMPLE ID: SB-4/6-8

PROJECT NO: 990208
MATRIX: SOIL
DATE SAMPLED: 02/24/00 15:07:00
DATE RECEIVED: 03/03/00

ANALYTICAL DATA			
PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Sonication Extraction Method 3550B *** Analyzed by: DMB Date: 03/06/00 13:00:00	3/6/00		

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Certificate of Analysis No. L1-0003136-06

RYDER TRANSPORTATION SERVICES
160 LAWRENCEVILLE-PENNINGTON
LAWRENCEVILLE, NJ 8648
ATTN: CARRIE BUCK

DATE: 03/10/00

PROJECT: #1178, 520 SHUNPIKE AVE.
SITE: WILLILSTON, VT (BURLINGTON)
SAMPLED BY: GES
SAMPLE ID: SB-2/WS

PROJECT NO: 990208
MATRIX: WATER
DATE SAMPLED: 02/24/00 13:15:00
DATE RECEIVED: 03/03/00

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
MTBE	ND	8 P	µg/L	
BENZENE	ND	1 P	µg/L	
TOLUENE	ND	1 P	µg/L	
ETHYLBENZENE	ND	1 P	µg/L	
TOTAL XYLENE	ND	1 P	µg/L	
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L	
Surrogate	% Recovery			
1,4-Difluorobenzene	99			
4-Bromofluorobenzene	99			
Method 8020A ***				
Analyzed by: WJB				
Date: 03/04/00				

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results are reported on a Wet Weight Basis unless otherwise noted and relate only to items tested.



**** SPL BATCH QUALITY CONTROL REPORT ****

Method 8020A ***

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Matrix: Soil
Units: µg/Kg

Batch Id: HPDD000303154600

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
MTBE	ND	50	46	92.0	70 - 130
Benzene	ND	50	45	90.0	70 - 130
Toluene	ND	50	44	88.0	70 - 130
Ethyl Benzene	ND	50	43	86.0	70 - 130
o-Xylene	ND	50	43	86.0	70 - 130
m and p Xylene	ND	100	86	86.0	70 - 130

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
MTBE	ND	50	39	76.0	38	74.0	2.67	20	70 - 130
BENZENE	ND	50	39	78.0	41	82.0	5.00	20	70 - 130
TOLUENE	ND	50	38	76.0	40	80.0	5.13	20	70 - 130
ETHYL BENZENE	ND	50	37	74.0	39	78.0	5.26	20	70 - 130
O-XYLENE	ND	50	37	74.0	40	80.0	7.79	20	70 - 130
M AND P XYLENE	ND	100	72	72.0	77	77.0	6.71	20	70 - 130

Analyst: RB

Sequence Date: 03/03/00

SPL ID of sample spiked: 0003138-04A

Sample File ID: DC03526.TX0

Method Blank File ID:

Blank Spike File ID: DC03504.TX0

Matrix Spike File ID: DC03531.TX0

Matrix Spike Duplicate File ID: DC03532.TX0

* = Values Outside QC Range. * = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $\{ (<1> - <2>) / <3> \} \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

Relative Percent Difference = $| (<4> - <5>) | / [(<4> + <5>) \times 0.5] \times 100$

(**) = Source:

(***) = Source: 8020 Table 3

SAMPLES IN BATCH(SPL ID):

0003136-01A 0003136-02A 0003136-03A 0003136-04A
0003111-01A 0003111-02A 0003111-03A 0003111-04A
0003111-06A 0003111-07A



**** SPL BATCH QUALITY CONTROL REPORT ****

Method 8020A ***

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

Matrix: Soil
Units: µg/Kg

Batch Id: HPDD000306120800

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
MTBE	ND	50	51	102	70 - 130
Benzene	ND	50	50	100	70 - 130
Toluene	ND	50	50	100	70 - 130
Ethyl Benzene	ND	50	50	100	70 - 130
o-Xylene	ND	50	50	100	70 - 130
m and p Xylene	ND	100	100	100	70 - 130

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
MTBE	ND	50	46	92.0	45	90.0	2.20	20	70 - 130
BENZENE	ND	50	47	94.0	49	98.0	4.17	20	70 - 130
TOLUENE	ND	50	46	92.0	49	98.0	6.32	20	70 - 130
ETHYL BENZENE	ND	50	46	92.0	48	96.0	4.26	20	70 - 130
O-XYLENE	ND	50	46	92.0	48	96.0	4.26	20	70 - 130
M AND P XYLENE	ND	100	92	92.0	97	97.0	5.29	20	70 - 130

Analyst: RB

Sequence Date: 03/06/00

SPL ID of sample spiked: 0003138-08A

Sample File ID: DC06121B.TX0

Method Blank File ID:

Blank Spike File ID: DC06113B.TX0

Matrix Spike File ID: DC06129B.TX0

Matrix Spike Duplicate File ID: DC06130B.TX0

* = Values Outside QC Range. * = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $[(<1> - <2>) / <3>] \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

Relative Percent Difference = $[(<4> - <5>) / [(<4> + <5>) \times 0.5]] \times 100$

(**) = Source:

(***) = Source: 8020 Table 3

SAMPLES IN BATCH(SPL ID): 0003136-01A



LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (337) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/07/00

Analyzed on: 03/07/00

Analyst: RJB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Diesel Range Organics
Method Modified 8015B*** for Diesel

SPL Sample	Method	Sample	Spike	Matrix Spike		Matrix Spike Duplicate		RPD	QC LIMITS (Advisory)		
ID Number	Blank	Result	Added	Result	Recovery %	Result	Recovery %	(%)	RPD Max	% REC	
0003219-01A	ND	11	100	81	70.0	84	73.0	4.2	30	23	-124

0003070000

-0003258

Samples in batch:

0003136-01B 0003136-02B 0003136-03B 0003136-04B
0003144-01B 0003144-02B 0003144-03B 0003144-04B
0003219-01A 0003219-02A

COMMENTS:



SPL/LE/SM-F1.06

LABVILLE AREA LAB
500 AMBASSADOR CAFEWAY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

Sample Receipt Checklist

0003136

Client: <u>Geologic Serv.</u>	COC Serial #:			
Project #:	Project Loc: <u>Hudson MA</u>	Yes	No	NA
Are Custody seals on the shipping container present and intact?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody (COC) present and signed by the sampler?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traffic reports, airbills, or bills of lading present?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are sample containers intact?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are sample tags/field labels present on each sample?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all samples present in the sample kit listed on the COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do date/time of sample collection agree with COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do sample tags/field tags agree with COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does sample type agree with COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the number of bottles received for each parameter agree with COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the bottle type and volume agree with COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the analyses requested listed on the COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the sample kit temperature 2 - 6 degrees C?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Record the temperature in degrees C in the NA column.				<u>Ac</u>
Is the pH of all preserved samples checked and documented properly?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all samples preserved according to EPA guidelines?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all samples within the EPA maximum holding times?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do sample containers conform to EPA guidelines?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did the receiving technician record the date/time of receipt and sign the COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a nonconformance filled out for any items with a NO response?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Method of sample delivery to SPL and airbill number where applicable (circle one)?				
<input checked="" type="checkbox"/> Fed-X <input type="checkbox"/> UPS Other: <u>812654357797</u>				
Method of sample disposal: (circle one) <input checked="" type="checkbox"/> SPL Disposal <input type="checkbox"/> HOLD <input type="checkbox"/> Return to Client				
Receiving Technician signature: <u>[Signature]</u>		Date/Time: <u>3/3/00 1000</u>		

APPENDIX E

Acknowledgment of Treatment and Recycling

Environmental Soil Management, Inc. hereby acknowledges

Thermal Treatment and Recycling

of 13.41 tons of

Virgin Petroleum Contaminated Soil

from the **Ryder Transportation, Williston, VT** project

April 7, 2000

Christina Naderi
Environmental Soil Management, Inc.

New Hampshire DES Permit DES-SW-SP-96-002
Loudon, New Hampshire

Certificate Number 1293

**VT AGENCY OF NATURAL RESOURCES - DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WASTE MANAGEMENT DIVISION**

**RECYCLING
OFF-SITE SOIL TREATMENT REQUEST FORM**

Off-Site Location**Generator/Owner of Soil**

Soil Volume/Peak PID/Avg. PID: 10 yd/344ppmv/40-80
 Off Site Street Address: ESMI of New Hampshire
 Londond, NH
 Name of Land Owner: Contact: Mike/Michelle
 Phone # of Land Owner: (603) 783-0228

Name: Ryder Transportation Services
 Facility ID#, Name, and Street Address: UST ID#1699
 520 Shunpike Rd., Williston, VT
 Contact: Ms. Carrie Anne Buck
 Phone #: (732) 297-8733

Off-Site Soil Treatment Site Criteria Checklist

- ☐ N/A There are no bedrock drinking water supplies within 200 feet of the treatment location.
- ☐ N/A There are no shallow water supplies (e.g. dug wells, driven wells, etc.) within 300 feet of the treatment location. This limit may need to be extended if shallow water supplies are shown to be hydraulically downgradient.
- ☐ N/A There are no sensitive environments (i.e., stream, river, lake, pond, wildlife refuge, wetland, floodplain, Public Water Source Protection Area, Class I or II groundwater zone, or similar areas), within 100 feet of the treatment location.
- ☐ N/A There is adequate room to allow for treatment to occur over the necessary time frame.
- ☒ Public access to the treatment area has been restricted (e.g. fencing, posted).
- ☒ The treatment location is not in a residential area.
- ☐ N/A Written approval from the landowner, if different from the soil generator, has been obtained before treatment begins. This must include written approval from the landowner granting Department of Environmental Conservation (DEC) investigators property access for the purpose of inspecting soil treatment at any reasonable time.
- ☐ N/A The local municipality has been notified in writing of the off-site location prior to initiating any soil treatment. The soil generator has provided evidence to the Waste Management Division (WMD) that this notification has been made. If applicable, local permits should be obtained.
- ☐ N/A An area map of the soil location has been submitted to the WMD.
- ☒ The WMD has given approval to move soils to the off-site location specified above, as indicated by the WMD representative's signature below.

As the party responsible for compliance with the "Agency Guidelines for Petroleum Contaminated Soil and Debris," subchapter 6 of the "Vermont Underground Storage Tank Regulations," and applicable statutes, I hereby certify that the representations made on this form are to the best of my knowledge true and correct.

Ms. Carrie Anne Buck
 Name of Owner/Operator Representative (printed)

Carrie Anne Buck
 Signature

Environmental Project Engineer
 Company Title

12/10/99
 Date

As land owner of the soil treatment location, I hereby give approval to the soil generator to treat the soil volume cited above at the above referenced location. In addition, I hereby grant property access to DEC investigators for the purpose of inspecting soil treatment at any reasonable time.

Not Applicable
 Signature of Land Owner

Date

John Stuby
 Signature of WMD Representative

1/25/00
 Date of Approval

APPENDIX F

GEOLOGIC SERVICES CORPORATION

Hydrogeologists and Environmental Scientists

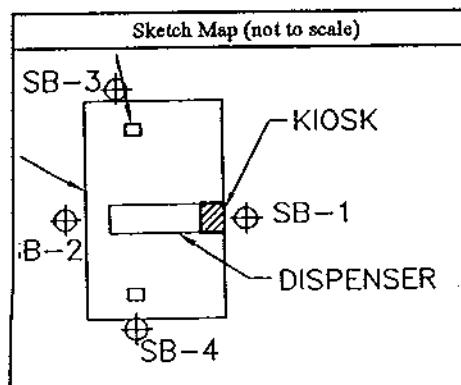
15 Bonazzoli Avenue, Hudson, MA 01749 (978)-568-8740

DRILLING LOG

SB-1

Project:	Ryder Williston	Client:	Ryder Trans. Serv.
Location:	520 Shunpike Road	Total Depth:	15 feet
Boring ID:	SB-1	Screen Diameter:	NA
Water Level:	~10 feet	Slot Size:	NA
Screen Length:	NA	Casing Diameter:	NA
Type:	NA	Type:	NA
Casing Length:	NA	Driller:	Derek W.
Top Elevation:	NA	Drilling Company:	ADT
Method:	Hollow Stem Auger	GSC Inspector:	Dave Cella
Date Start:	2/24/00	Date End:	2/24/00

Notes: Testing consists of PID headspace response (ppmv)



Depth (feet)	Well Construction	Key	Sample				Sample Description	ppmv
			ID	Depth	Blows/6"	Pen/Rec		
0	N o W e l l S e t		SS-1	0-1	NA	NA	Brown, dry, FILL (sand and gravel)	<0.1
			SS-2	1-2	NA	NA	Brown, dry, fine SAND	<0.1
2			SS-2	2-4	NA	NA	Brown-dark brown, dry, fine SAND, some silt, trace gravel	<0.1
4			SS-3	4-6	7-10-10-10	24/5	Brown-gray, dry, SILT, some fine sand	<0.1
6			SS-4	6-8	12-15-17-18	24/10	Brown-gray, damp, SILT, some fine sand	<0.1
8			SS-5	8-10	6-6-10-11	24/10	Gray, damp, SILT, trace clay	<0.1
10			SS-6	10-12	10-12-16-27	24/10	Brown-gray, wet, SILT	<0.1
12			SS-7	12-14	4-3-1-1	24/6	Gray, wet, SILT	<0.1
14			End of exploration @ 15 feet					
16								
18								
20								

GSC Project Number: 990208

Checked By: *X*

Page 1 of 1

GEOLOGIC SERVICES CORPORATION

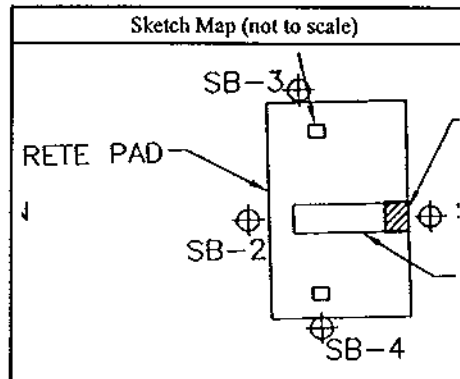
Hydrogeologists and Environmental Scientists

15 Bonazzoli Avenue, Hudson, MA 01749 (978)-568-8740

DRILLING LOG**SB-2**

Project:	Ryder Williston	Client:	Ryder Trans. Serv.
Location:	520 Shunpike Road	Total Depth:	15 feet
Boring ID:	SB-2	Screen Diameter:	NA
Water Level:	~10 feet	Slot Size:	NA
Screen Length:	NA	Casing Diameter:	NA
Type:	NA	Type:	NA
Casing Length:	NA	Driller:	Derek W.
Top Elevation:	NA	Drilling Company:	ADT
Method:	Hollow Stem Auger	GSC Inspector:	Dave Cella
Date Start:	2/24/00	Date End:	2/24/00

Notes: Testing consists of PID headspace response (ppmv)



Depth (feet)	Well Construction	Key	Sample				Sample Description	ppmv
			ID	Depth	Blows/6"	Pen/Rec		
0	N o W e l l S e t		SS-1	0-2	NA	NA	Brown, dry, FILL (sand and gravel)	<0.1
2			SS-2	2-4	NA	NA	Brown-tan, dry, fine to medium SAND, some fine gravel	<0.1
4			SS-3	4-6	11-11-12-15	24/14	Tan-brown, dry, SILT, trace clay	<0.1
6			SS-4	6-8	15-12-11-17	24/6	Gray-tan, damp to wet, SILT, trace clay	<0.1
8			SS-5	8-10	4-5-6-11	24/16	Brown, wet, SILT, little clay, trace fine sand	<0.1
10			SS-6	10-12	6-7-9-10	24/16	Brown, wet, SILT, some clay	<0.1
12			SS-7	12-14	5-8-7-6	24/8	Brown-gray, wet, SILT, little fine sand	<0.1
14			SS-8	14-15	NA	NA	Brown-gray, wet, SILT, little fine sand	<0.1
16			End of exploration @ 15 feet					
18								
20								

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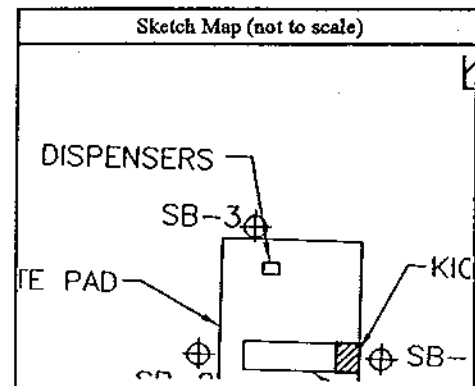
Hydrogeologists and Environmental Scientists

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DRILLING LOG

SB-3

Project:	Ryder Williston	Client:	Ryder Trans. Serv.
Location:	520 Shunpike Road	Total Depth:	15 feet
Boring ID:	SB-3	Screen Diameter:	NA
Water Level:	~10 feet	Slot Size:	NA
Screen Length:	NA	Casing Diameter:	NA
Type:	NA	Type:	NA
Casing Length:	NA	Driller:	Derek W.
Top Elevation:	NA	Drilling Company:	ADT
Method:	Hollow Stem Auger	GSC Inspector:	Dave Cella
Date Start:	2/24/00	Date End:	2/24/00
Notes: Testing consists of PID headspace response (ppmv)			



Depth (feet)	Well Construction	Key	Sample				Sample Description	ppmv
			ID	Depth	Blows/6"	Pen/Rec		
0	N o w e l l S e t						6 inches Asphalt	
2			SS-1	0.5-2	NA	NA	Brown, dry, FILL (sand and gravel)	<0.1
4			SS-2	2-4	NA	NA	Tan, dry, FILL (sand and gravel)	
6			SS-3	4-6	4-7-4-8	24/8	Brown, damp, SILT, little fine sand	<0.1
8			SS-4	6-8	5-6-4-7	24/12	Light brown, damp, SILT, trace fine sand	<0.1
10			SS-5	8-10	7-9-9-7	24/10	Brown-gray, wet, SILT, some clay	<0.1
12			SS-6	10-12	14-16-17-10	24/22	Brown, wet, SILT, little clay	<0.1
14			SS-7	12-14	12-10-18-8	24/12	Brown, wet, SILT, little clay	<0.1
16			SS-8	14-15	NA	NA	Brown-gray, wet, SILT, little fine sand, trace clay	<0.1
18							End of exploration @ 15 feet	
20								

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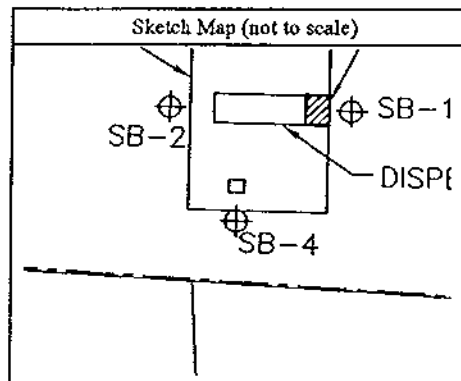
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DRILLING LOG

SB-4

Project:	Ryder Williston	Client:	Ryder Trans. Serv.
Location:	520 Shunpike Road	Total Depth:	15 feet
Boring ID:	SB-4	Screen Diameter:	NA
Water Level:	~10 feet	Slot Size:	NA
Screen Length:	NA	Casing Diameter:	NA
Type:	NA	Type:	NA
Casing Length:	NA	Driller:	Derek W.
Top Elevation:	NA	Drilling Company:	ADT
Method:	Hollow Stem Auger	GSC Inspector:	Dave Cella
Date Start:	2/24/00	Date End:	2/24/00

Notes: Testing consists of PID headspace response (ppmv)



Depth (feet)	Well Construction	Key	Sample				Sample Description	ppmv
			ID	Depth	Blows/6"	Pen/Rec		
0	N o w e l l S e t						6 inches Asphalt	
2			SS-1	0.5-2	NA	NA	Brown, dry, FILL	<0.1
4			SS-2	2-4	NA	NA	Brown-tan, dry, fine SAND and GRAVEL	<0.1
6			SS-3	4-6	9-10-6-7	24/10	Brown, dry, SILT, some fine to medium gravel	<0.1
8			SS-4	6-8	9-8-8-9	24/18	Brown, damp to wet, SILT, trace clay	<0.1
10			SS-5	8-10	5-7-10-11	24/12	Brown-gray, wet, SILT, little clay	<0.1
12			SS-6	10-12	6-8-8-10	24/0	No Recovery	-
14			SS-7	12-14	3-6-9-8	24/12	Dark brown, wet, SILT, some fine sand	<0.1
16			SS-8	14-15	NA	NA	Dark brown, wet, SILT, some fine sand	<0.1
18							End of exploration @ 15 feet	
20								